

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2004/001999

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H04L12/56

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>T. HE, J.A. STANKOVIC: "SPEED: A Real-Time Routing Protocol for Sensor Networks" 'Online! March 2002 (2002-03), pages 1-12, XP002300153 Retrieved from the Internet: URL:<a href="http://www.cs.virginia.edu/{techrep/CS-2002-09.pdf">http://www.cs.virginia.edu/{techrep/CS-2002-09.pdf</a> &gt; 'retrieved on 2004-10-11! page 1, paragraph 1.INTRODUCTION page 2, paragraphs 3.,DESIGN,GOALS</p> <p>-----</p> <p style="text-align: center;">-/-</p>	1-5,8, 10-12
A		6,7,9, 13-16

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority, claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

\*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&\* document member of the same patent family

Date of the actual completion of the international search

11 October 2004

Date of mailing of the international search report

02/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Matt, S

**INTERNATIONAL SEARCH REPORT**

International Application No	
PCT/GB2004/001999	

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99/46899 A (LOHER URS ; SWISSCOM AG (CH)) 16 September 1999 (1999-09-16) abstract	1-4,8, 10,11
Y	figure 1	5,12
A	claims 1,3,12-17,19 page 7, line 7 - page 9, line 28 ----- page 10, line 11 - line 6 page 13, line 16 - line 27 page 14, line 19 - line 32	6,7,9, 13-16
X	DE 101 08 555 A (SIEMENS AG) 12 September 2002 (2002-09-12) abstract	1-4,8, 10,11
A	claim 1 ----- figure 1 paragraph '0004! - paragraph '0008! paragraph '0010! - paragraph '0012!	5-7,9, 12-16
Y	S. SINGH, M. WOO: "Power-Aware Routing in Mobile Ad Hoc Networks" PROCEEDINGS OF THE 4TH ANNUAL ACM-IEEE INTERNATIONAL CONFERENCE ON MOBILE COMPUTING AND NETWORKING, 'Online' October 1998 (1998-10), pages 181-190, XP002300154 Retrieved from the Internet: URL:www.acm.org> 'retrieved on 2004-10-11! page 183, left-hand column ----- page 184, right-hand column - page 185, left-hand column	5,12 1-4, 6-11, 13-16
T	J. TATESON, I.W. MARSHALL: "A Novel Mechanism for Routing in Highly Mobile Ad Hoc Sensor Networks" 'Online' 2004, pages 204-217, XP002300155 Retrieved from the Internet: URL: http://www.informatik.uni-trier.de/{ley/db/indices/a-tree/t/Tateson:Jane.html}> 'retrieved on 2004-10-11!	1-16

# INTERNATIONAL SEARCH REPORT

## Information on patent family members

International Application No

PCT/GB2004/001999

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
WO 9946899	A 16-09-1999		AT 211594 T AU 1234799 A CA 2321918 A1 DE 69803411 D1 DE 69803411 T2 WO 9946899 A2 EP 1064760 A2 JP 2004513530 T	15-01-2002 27-09-1999 16-09-1999 28-02-2002 01-08-2002 16-09-1999 03-01-2001 30-04-2004
DE 10108555	A 12-09-2002		DE 10108555 A1 WO 02067510 A2	12-09-2002 29-08-2002